Fig. 1a

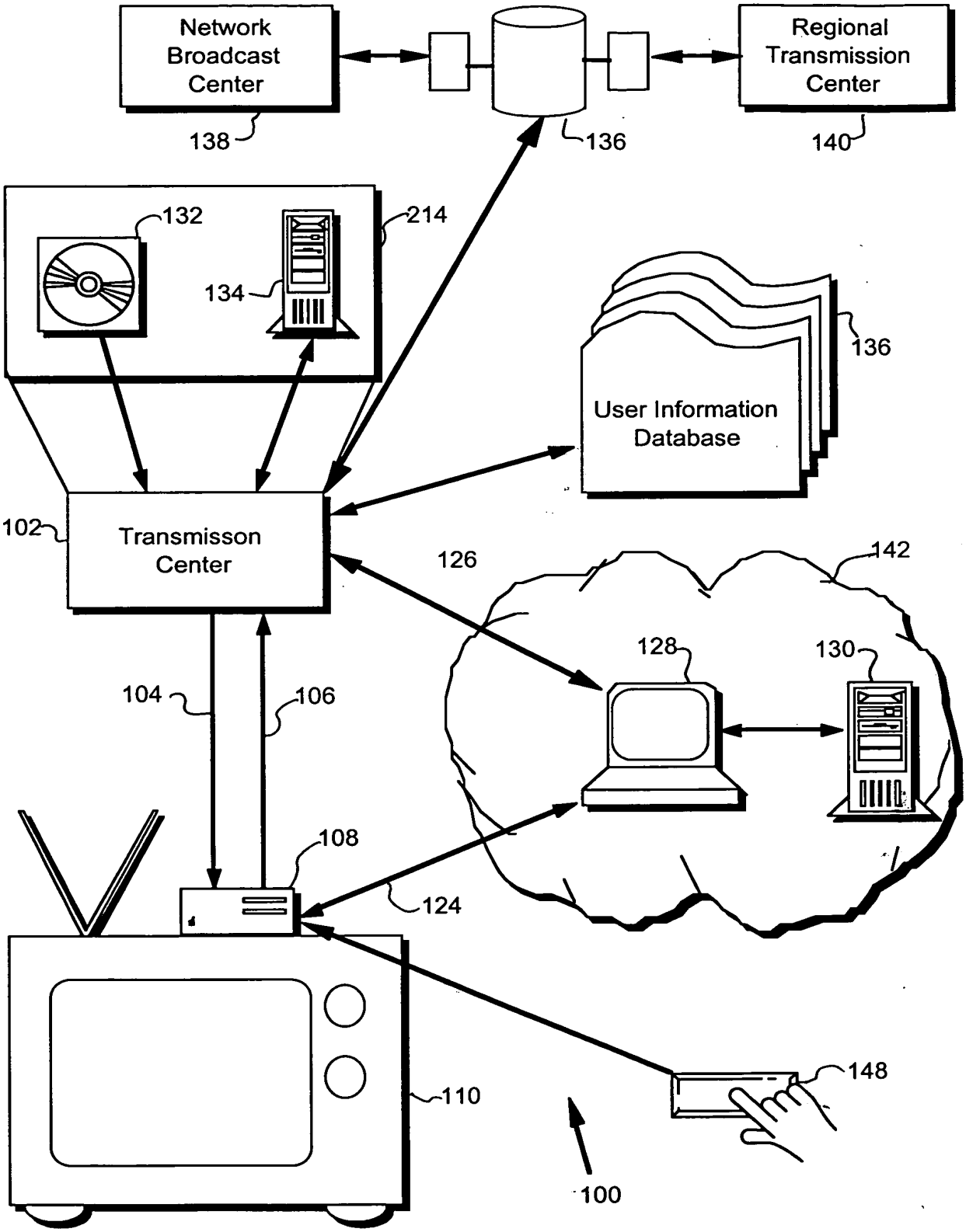
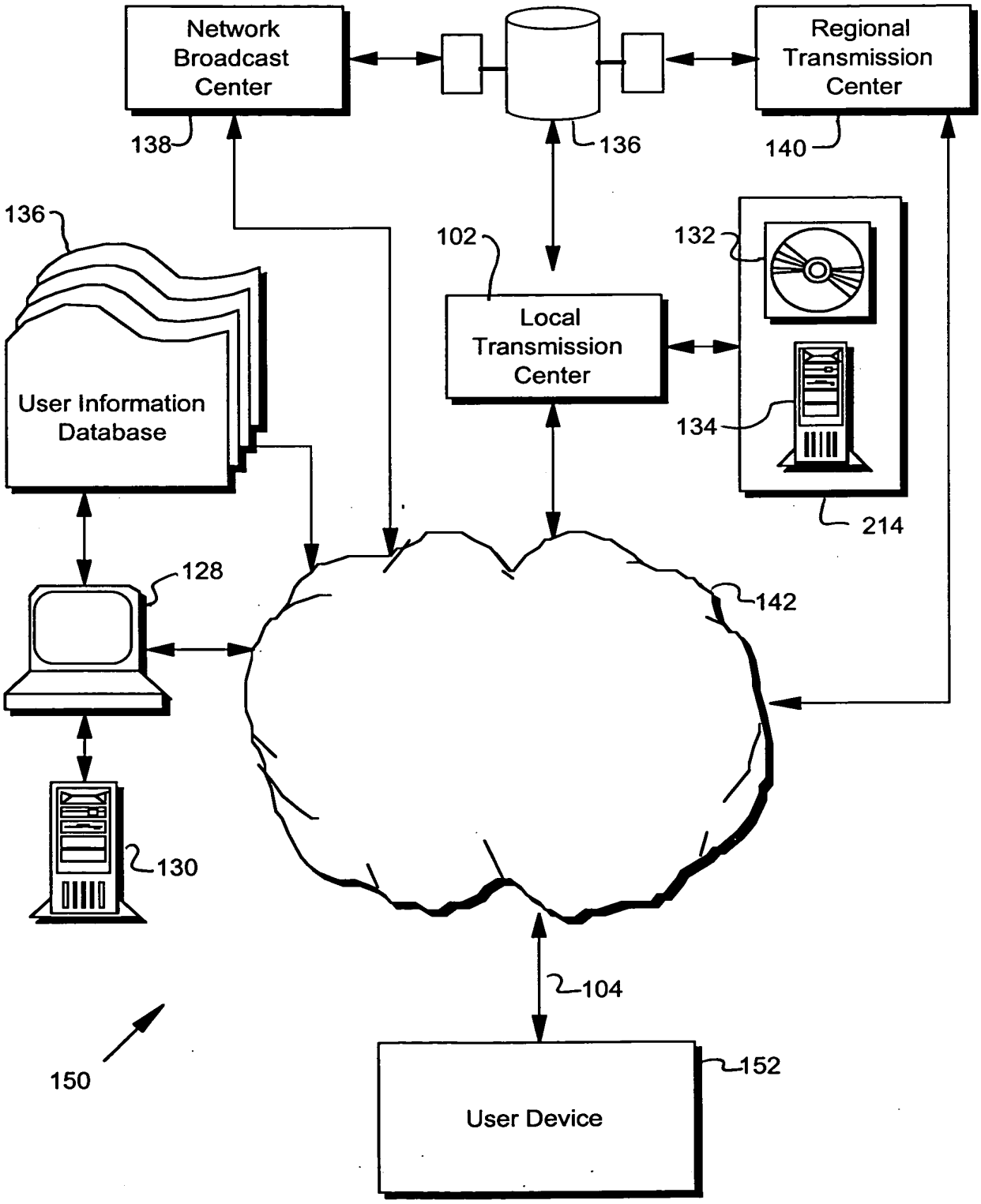

Network Broadcast Center
138
136
Regional Transmission Center
140
132
214
134
136
User Information Database
102
Transmisson Center
126
142
128
130
104
106
108
124
110
148
100

Fig. 1b


Network Broadcast Center
138
136
Regional Transmission Center
140
136
User Information Database
102
Local Transmission Center
132
134
214
128
142
130
104
150
User Device
152

TOSATO "SOLAR"

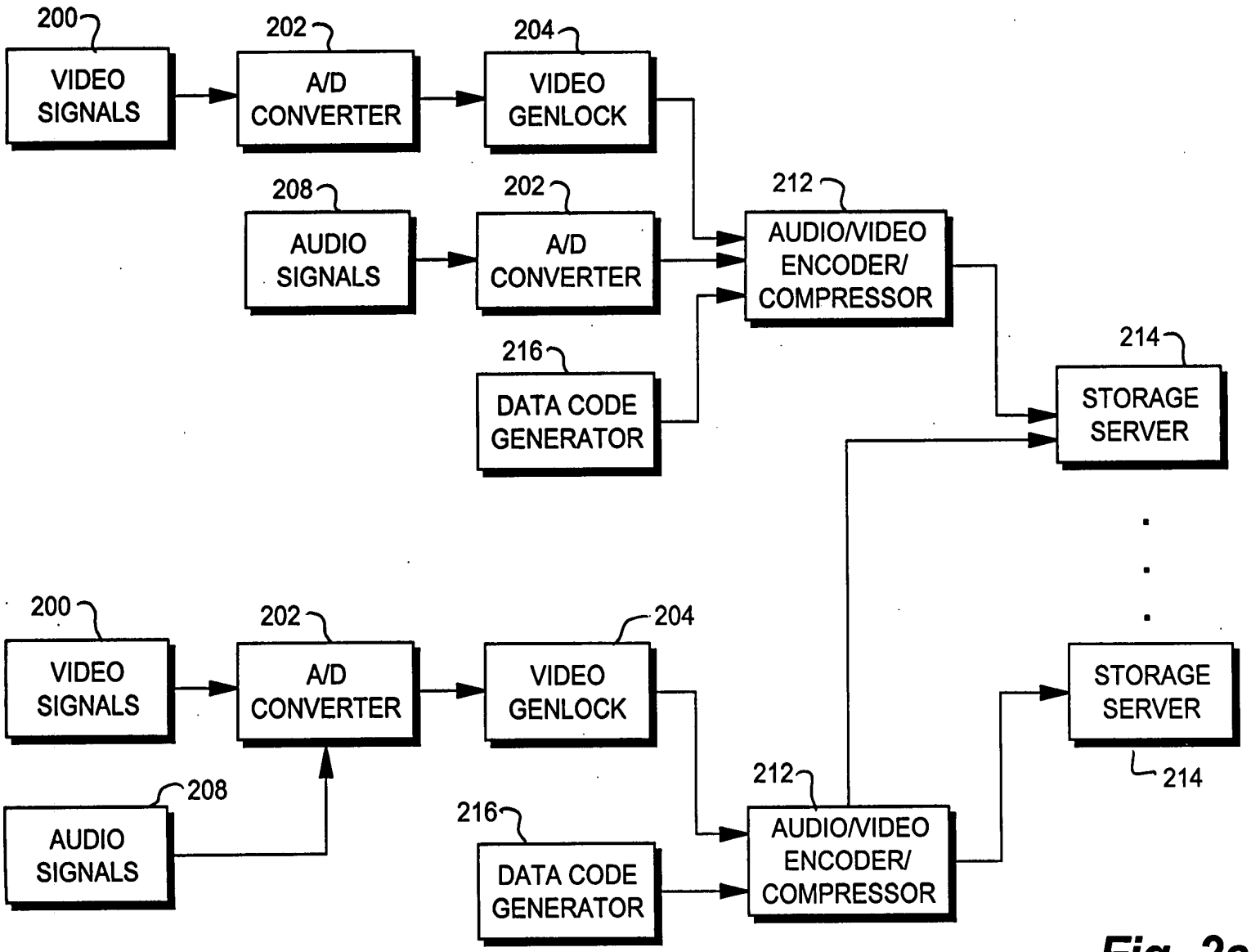


Fig. 2a

TOSATO "SEQUENCE"

Fig. 2b

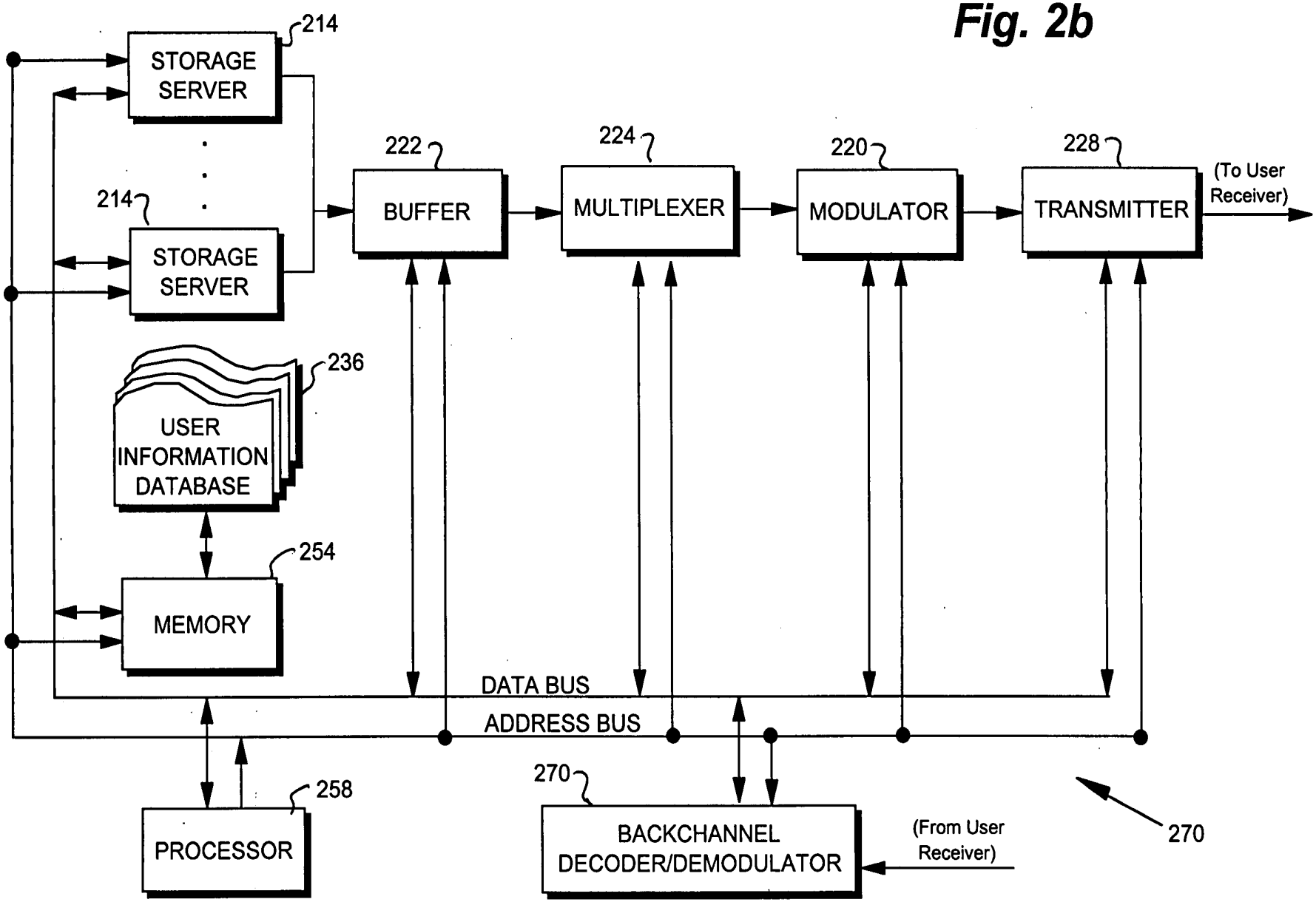


Fig. 3

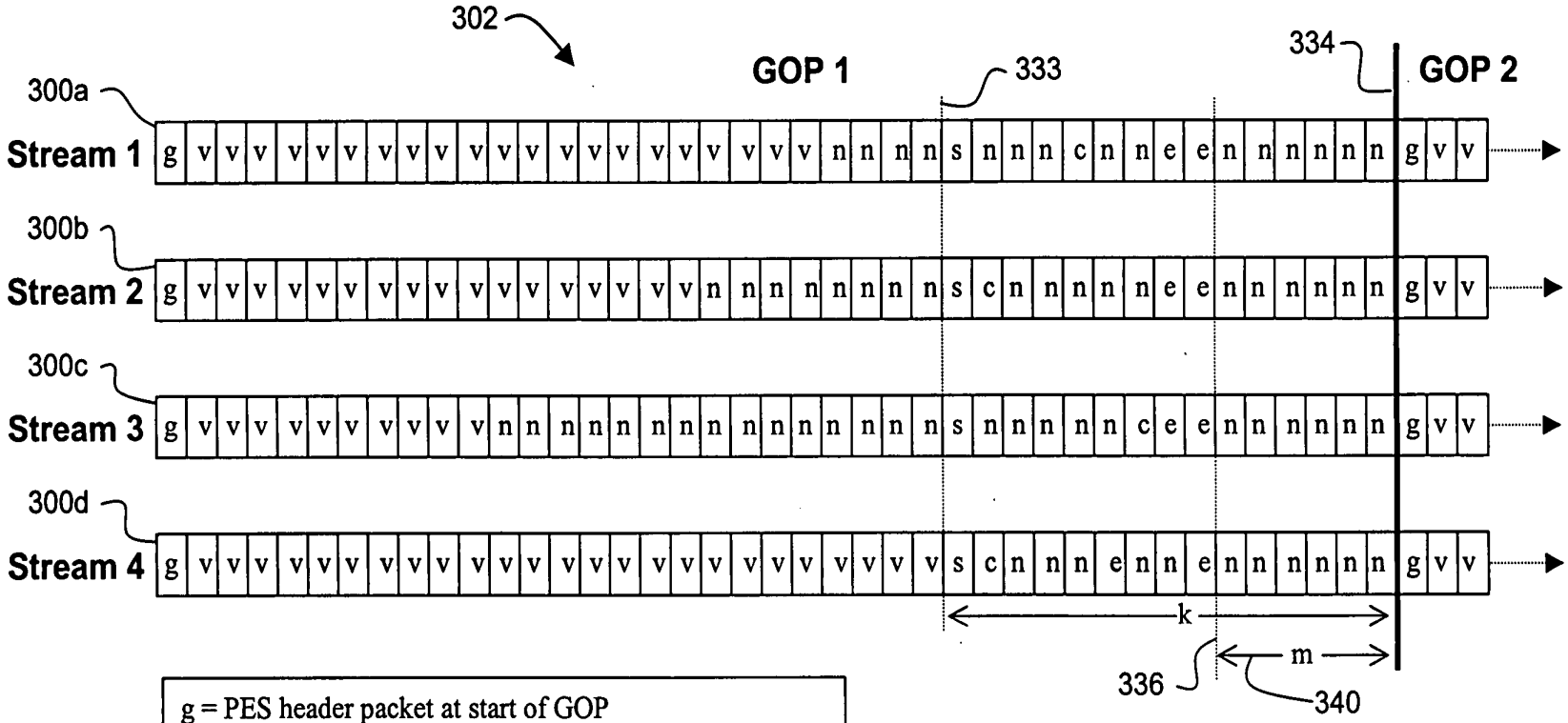

302
GOP 1
333
334
GOP 2
300a
Stream 1
300b
Stream 2
300c
Stream 3
300d
Stream 4
k
m
336
340
g = PES header packet at start of GOP
v = video, audio, null, or system packet
n = null, audio, or system packet
s = video packet with splice point flag set, countdown = 2
c = video packet with splice point flag cleared
e = video packet with video zero padding only
splice minimum <= k <= splice start
m = time gap ± a few packets

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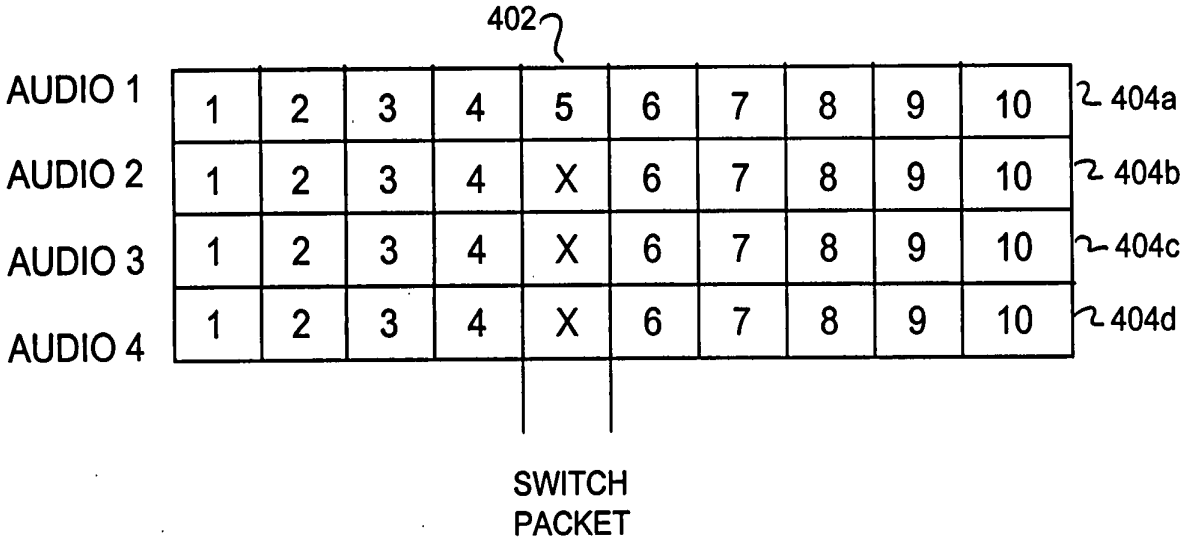
Fig. 4



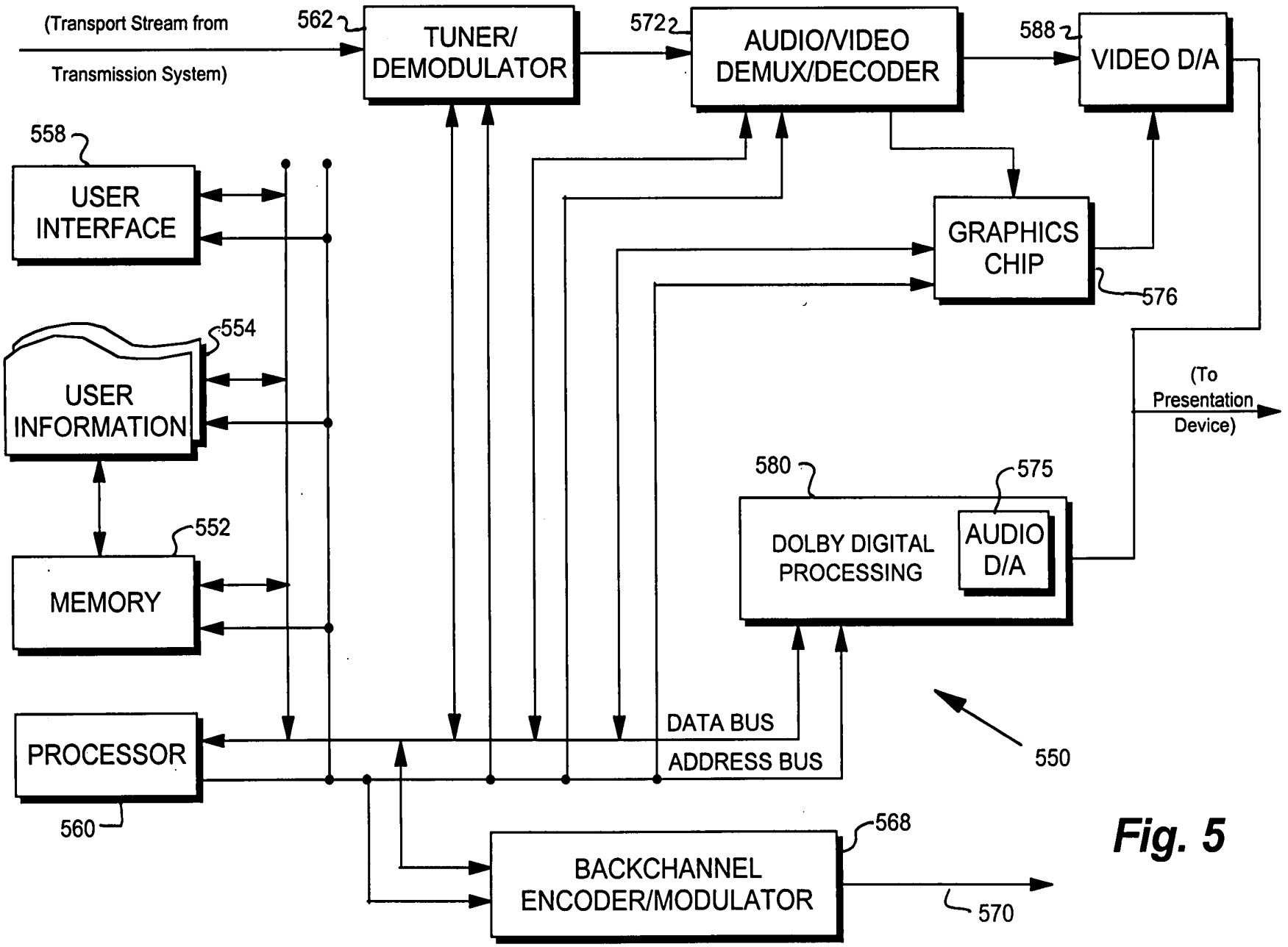

(Transport Stream from
Transmission System)
562
TUNER/
DEMODULATOR
572
AUDIO/VIDEO
DEMUX/DECODER
588
VIDEO D/A
558
USER
INTERFACE
GRAPHICS
CHIP
576
554
USER
INFORMATION
(To
Presentation
Device)
580
575
DOLBY DIGITAL
PROCESSING
AUDIO
D/A
552
MEMORY
DATA BUS
ADDRESS BUS
550
PROCESSOR
560
568
BACKCHANNEL
ENCODER/MODULATOR
570

Fig. 5